

NC/QC/YPD/2020-21/W5-KL3-C1

Date: 02-09-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	162 min	Shall not be less than 30 min
2	Final setting time	275 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.94 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.11 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.56 N/Sq mm	Shall not be less than 27 N/Sqmm

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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NC/QC/YPD/2020-21/W5-KL3-PCC1

Date: 02-09-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
		Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	64.15	0 -20	30- 70
10mm	32.80	0 -5	10- 35
4.75mm	4.05	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.25	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	83.45	60-95	75-100	85-100	
01.18	75.10	30-70	55-90	75-100	
600.mic	48.90	15-34	35-59	60-79	
300.mic	23.55	5-20	8-30	12-40	
150.mic	7.05	0-10	0-10	0-10	

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NC/QC/YPD/2020-21/W5-KL3-C2

Date: 05-09-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	154 min	Shall not be less than 30 min
2	Final setting time	275 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.86 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.09 mm	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	28.36 N/Sq mm	Shall not be less than 27 N/Sqmm

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NC/QC/YPD/2020-21/W5-KL3-PCC2

Date: 05-09-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	62.75	0 -20	30- 70
10mm	29.40	0 -5	10- 35
4.75mm	3.90	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:					
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -III	The Sample Conforms to Grading Zone-II
04.75	98.35	90-100	90-100	90-100	
02.36	82.10	60-95	75-100	85-100	
01.18	76.15	30-70	55-90	75-100	
600.mic	43.55	15-34	35-59	60-79	
300.mic	24.80	5-20	8-30	12-40	
150.mic	6.75	0-10	0-10	0-10	

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NC/QC/YPD/2020-21/W5-KL3-C3

Date: 07-09-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	154 min	Shall not be less than 30 min
2	Final setting time	275min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.89 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.13 mm	Shall not be more than 10 mm
5	Compressive strength c) 3 days (average of three results)	28.36 N/Sq mm	Shall not be less than 27 N/Sqmm

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NC/QC/YPD/2020-21/W5-KL3-PCC3

Date: 07-09-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
		Single size	Graded
	40 mm Sample		
40mm	100.00	85-100	90 - 100
20mm	63.75	0 -20	30- 70
10mm	31.25	0 -5	10- 35
4.75mm	4.10	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.40	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	81.50	60-95	75-100	85-100	
01.18	73.05	30-70	55-90	75-100	
600.mic	46.85	15-34	35-59	60-79	
300.mic	43.15	5-20	8-30	12-40	
150.mic	6.40	0-10	0-10	0-10	

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NC/QC/YPD/2020-21/W5-KL3-CE1

Date: 10-09-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21.

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	152 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.78 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.14 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	29.06 N/Sq mm	Shall not be less than 27 N/Sqmm

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NC/QC/YPD/2020-21/W5-KL3-FA1

Date: 10-09-2020

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

TABLE - 1.1: SIEVE ANALYSIS:

TABLE - 1.1 : SIEVE ANALYSIS :					
IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -II	The Sample Conforms to Grading Zone-II
04.75	94.25	90-100	90-100	90-100	
02.36	83.55	60-95	75-100	85-100	
01.18	71.15	30-70	55-90	75-100	
600. mic	47.60	15.34	35-59	60-79	
300.mic	23.45	5-20	8-30	12-40	
150.mic	6.05	0-10	0-10	0-10	

TABLE 1.2 :

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	17.83 %	-----
2	Silt Content	----	0.56%	Not more than 8%
3	Specific Gravity	----	2.61	-----

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NC/QC/YPD/2020-21/W5-KL3-CA1

Date: 10-09-2020

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002)	
		% Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	97.35	85-100	90 - 100
10 mm	48.90	0 - 20	25 - 55
4.75 mm	3.65	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	25.74 %	Not to exceed 25 %
2.	Crushing value	28.16 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

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NC/QC/YPD/2020-21/W5-KL3-S1

Date: 10-09-2020

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 and 12 mm **TMT Steel.**
{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

TABLE - 1

Details	For 10 mm		For 12 mm	
	Test Results	Min Req. as per IS 1786-2008	Test Results	Min Req. as per IS 1786-2008
Observed diameter of bar	10.0 mm	10.0 mm	12.0 mm	12.0 mm
Observed Wt/m Length Kg/m	0.622	0.567	0.893	0.834
Proof stress/Yield stress, f_y , N/mm^2	560.0	500.0	556.0	500.0
Bend/ Re bend Test	Ok	---	Ok	---
Percentage of Elongation, %	19.50	16.00	20.70	16.00
Ultimate Tensile Strength N/mm^2	643.0	565.0	638.0	565.0

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NC/QC/YPD/2020-21/W5-KL3-S1

Date: 10-09-2020

1. TEST REPORT ON REINFORCEMENT STEEL:**Sub:** Testing of Reinforcement Steel of diameter 10 and 12 mm TMT Steel.**{Project*:** Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}**Ref.:** Material testing/PMC/20-21,Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

TABLE - 1

Details	For 10 mm		For 12 mm	
	Test Results	Min Req. as per IS 1786- 2008	Test Results	Min Req. as per IS 1786- 2008
Observed diameter of bar	10.0 mm	10.0 mm	12.0 mm	12.0 mm
Observed Wt/m Length Kg/m	0.622	0.567	0.893	0.834
Proof stress/Yield stress, f_y , N/mm ²	560.0	500.0	556.0	500.0
Bend/ Re bend Test	Ok	---	Ok	---
Percentage of Elongation, %	19.50	16.00	20.70	16.00
Ultimate Tensile Strength N/mm ²	643.0	565.0	638.0	565.0

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NC/QC/VPD/2020-21/W5-KL3-SB1

Date: 11-09-2020

1. TEST REPORT ON PRE-CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

[Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.]

Ref: Material testing/PMC/20-21.

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1.1:

Sl No	Dimensions of Specimen mm	Details	Cross Sectional Area mm ²	Maximum Load in KN	Compressive Strength N/ mm ²	Average Compressive Strength N/ mm ²
1	400 X 200 X 200	Solid	80000	355	4.44	4.46
2	..	..	80000	365	4.56	
3	..	..	80000	350	4.38	

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NC/QC/VPD/2020-21/W5-KL3-SB2

Date: 15-09-2020

1. TEST REPORT ON PRE-CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1.1:

Sl No	Dimensions of Specimen mm	Details	Cross Sectional Area mm ²	Maximum Load in KN	Compressive Strength N/ mm ²	Average Compressive Strength N/ mm ²
1	400 X 200 X 200	Solid	80000	360	4.50	4.52
2	"	"	80000	350	4.38	
3	"	"	80000	375	4.69	

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NC/QC/YPD/2020-21/W5-KL3-CB1

Date: 25-09-2020

I. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	18-09-20	25-09-20	07	22500	370	16.44	16.67
	002	"	"	"	"	380	16.89	
	003	"	"	"	"	375	16.67	

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NC/QC/YPD/2020-21/W5-KL3-CB2

Date: 26-09-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	19-09-20	26-09-20	07	22500	380	16.89	16.81
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	385	17.11	

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NC/QC/YPD/2020-21/W5-KL3-CB3

Date: 29-09-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	22-09-20	29-09-20	07	22500	360	16.00	16.07
	002	"	"	"	"	355	15.78	
	003	"	"	"	"	370	16.44	

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NC/QC/YPD/2020-21/W5-KL3-CB4

Date: 01-10-2020

I. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE**CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	24-09-20	01-10-20	07	22500	365	16.22	16.15
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	355	15.78	

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NC/QC/TPD/2020-21/W5-K1.3-CB5

Date: 03-10-2020

I. TEST REPORT ON CEMENT CONCRETE CUBES:**Sub** Testing of Concrete Cubes (for 07 days Compressive Strength).**[Project*** Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No 05.]**Ref.** Material testing PMC 20-21.Report Required for Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy, K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE**CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀**TABLE 1.1:**

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	26-09-20	03-10-20	07	22500	385	17.11	16.59
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	365	16.22	

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NC/QC/YPD/2020-21/W5-KL3-CB6

Date: 05-10-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	28-09-20	05-10-20	07	22500	365	16.22	16.15
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	355	15.78	

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NC/QC/YPD/2020-21/W5-KL3-CB7

Date: 06-10-2020

I. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Development and Improvements of Road, Drain and covering Slabs Kogilu Lake and Surrounding area Defence Colony, Kogilu Village, Sri Rampura and Jakkur Village, Kattigenahalli and Agrahara layout in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Projects Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Gopireddy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	29-09-20	06-10-20	07	22500	370	16.44	16.22
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	360	16.00	

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